

**FUTURE FISHERIES IMPROVEMENT PROGRAM
GRANT APPLICATION***(please fill in the highlighted areas)***I. APPLICANT INFORMATION**A. Applicant Name: David MoserB. Mailing Address: 1400 South 19th StreetC. City: Bozeman State: MT Zip: 59718-5496Telephone: (406)-994-6938 E-mail: davemoser@mt.govD. Contact Person: Same

Address if different from Applicant: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

E. Landowner and/or Lessee Name
(if other than Applicant): DNRC MontanaMailing Address: 1625 11th Avenue
PO Box 201601, MTCity: Helena State: MT Zip: 59620-1601Telephone: (406) 444-4978 E-mail: _____**II. PROJECT INFORMATION***A. Project Name: English George Creek Fish BarrierRiver, stream, or lake: English George CreekLocation: Township: T9S Range: R1W Section: 36
Latitude: 45.0120°N Longitude: 111.6695°W *within project (decimal degrees)*County: Madison

B. Purpose of Project:

English George harbors a Westslope Cutthroat Trout population that exceeds 93 percent genetic purity based on samples collected in 2009 and 2011. English George Creek (NF, SF, mainstem) provides up to 6 miles of occupied habitat.

Brief Project Description:

C.

The Madison River Drainage has very few extant conservation populations of Westslope Cutthroat Trout and even fewer populations with no level of hybridization (Wally McClure and Specimen creeks). A recent genetic sample from English George Creek revealed the fish to be hybrids between westslope cutthroat, Yellowstone cutthroat, and rainbow trout with about a 94% westslope cutthroat trout genetic contribution. The rainbow trout alleles no longer appear to be randomly distributed among the fish possibly due to fairly recent immigration of fish into the system. The recent influx of rainbow genes into the population provides urgency to construction of a fish barrier. To conserve these populations and prevent further introgression, barriers to upstream fish movement are necessary. In 2015, a survey was completed for construction of a fish barrier with funds partially obtained through the MadTac (\$19,000). Funding has been sought from several grant organizations for survey and design work on both English George and Wall creeks.

D. Length of stream or size of lake that will be treated: 6 Miles

E. Project Budget:

Grant Request (Dollars): \$ 80,000

Contribution by Applicant (Dollars): \$ In-kind \$
 (salaries of government employees are not considered as matching contributions)

Contribution from other Sources (Dollars): \$ 122080 In-kind \$
 (attach verification - See page 2 budget template)

Total Project Cost: \$ 202,080

F. Attach itemized (line item) budget – see template

G. Attach specific project plans, detailed sketches, plan views, photographs, maps, evidence of landowner consent, evidence of public support and fish biologist support, and/or other information necessary to evaluate the merits of the project. If project involves water leasing or water salvage complete supplemental questionnaire (fwp.mt.gov/habitat/futurefisheries/supplement2.doc).

H. Attach land management and maintenance plans that will ensure protection of the reclaimed area.

III. PROJECT BENEFITS*

A. What species of fish will benefit from this project?:

Westslope Cutthroat Trout (*Oncorhynchus clarkii lewisi*)

B. How will the project protect or enhance wild fish habitat?:

Provide a barrier to upstream movement of competing and hybridizing species of trout

C. Will the project improve fish populations and/or fishing? To what extent?:

This project will provide a unique fishing opportunity for native WCT.

- D. Will the project increase public fishing opportunity for wild fish and, if so, how?:

N/A

- E. The project agreement includes a 20-year maintenance commitment. If you are unable to meet this commitment, please explain why:

N/A

- F. What was the cause of habitat degradation in the area of this project and how will the project correct the cause?:

Invasion of non-native salmonids into the English George Creek WCT population. The project will protect native WCT from upstream migration through construction of a fish barrier.

- G. What public benefits will be realized from this project?:

Preservation of a State species of special concern, prevention of listing of WCT as a threatened or endangered species, and preservation of the only trout species native to the Madison River Drainage.

- H. Will the project interfere with water or property rights of adjacent landowners? (explain):

No

- I. Will the project result in the development of commercial recreational use on the site?: (explain):

No

- J. Is this project associated with the reclamation of past mining activity?:

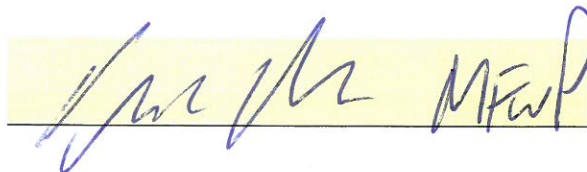
No

Each approved project sponsor must enter into a written agreement with the Department specifying terms and duration of the project.

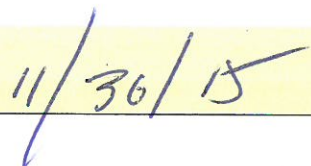
IV. AUTHORIZING STATEMENT

I (we) hereby declare that the information and all statements to this application are true, complete, and accurate to the best of my (our) knowledge and that the project or activity complies with rules of the Future Fisheries Improvement Program.

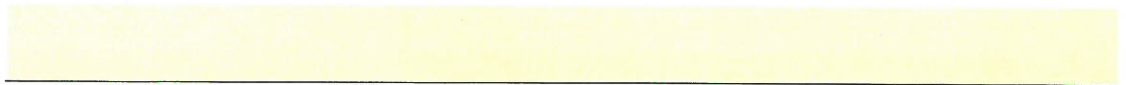
Applicant Signature:



Date:



Sponsor (if applicable):



***Highlighted boxes will automatically expand.**

**Mail To: Montana Fish, Wildlife & Parks
Habitat Protection Bureau
PO Box 200701
Helena, MT 59620-0701**

**E-mail To: Michelle McGree
mmcgree@mt.gov
(electronic submissions MUST be signed)**

**Incomplete or late applications will be returned to applicant.
Applications may be rejected if this form is modified.**

*****Applications may be submitted at anytime, but must be received by the Future Fisheries Program office in Helena before December 1 and June 1 of each year to be considered for the subsequent funding period.*****

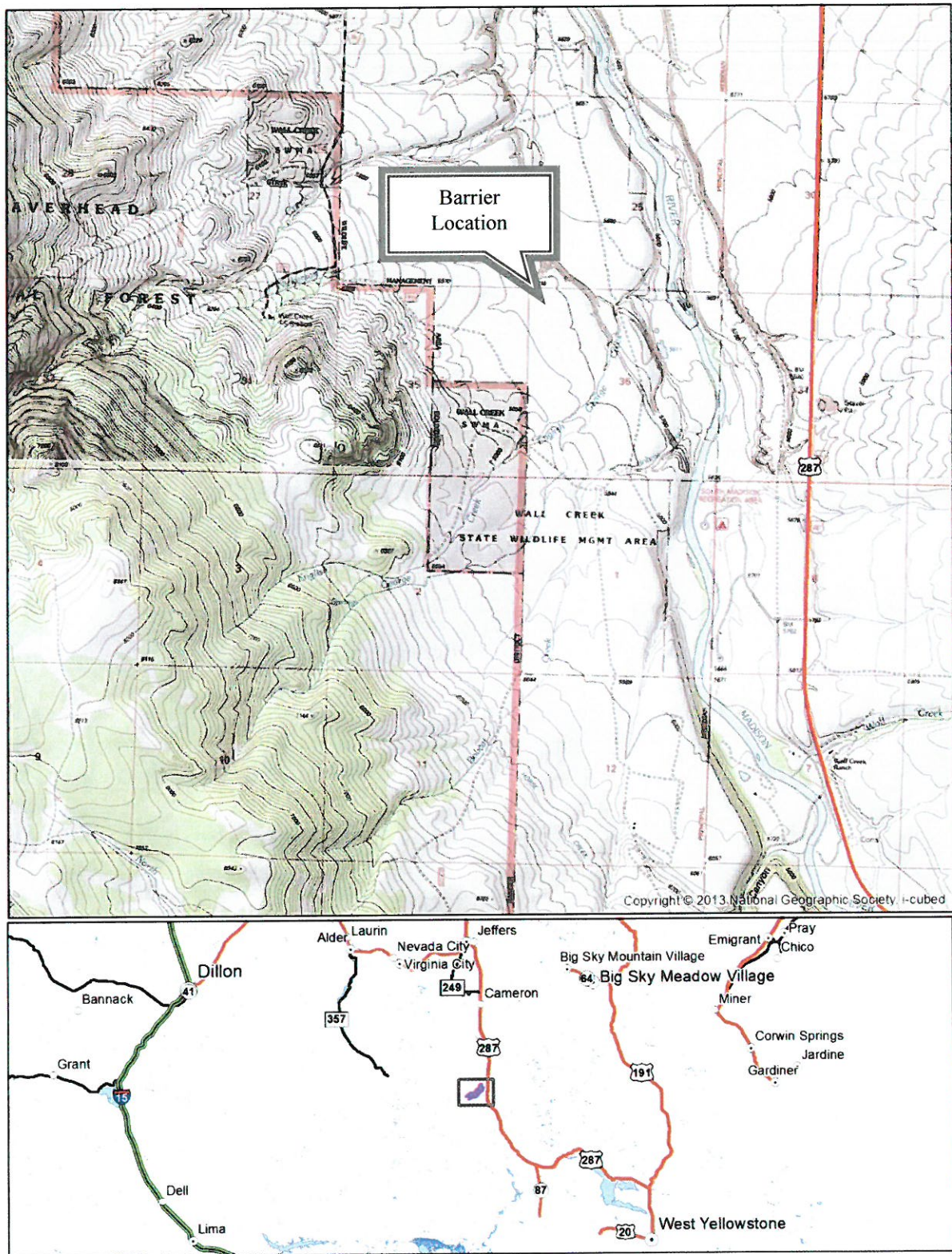


Figure 1. Location of fish barrier and vicinity map – English George Creek



Figure 2. Site location for fish barrier on English George Creek

English George Creek fish barrier
BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

Both tables must be completed or the application will be returned

WORK ITEMS (ITEMIZE BY CATEGORY)	NUMBER OF UNITS	UNIT DESCRIPTION*	COST/UNIT	TOTAL COST	CONTRIBUTIONS			
					FUTURE FISHERIES REQUEST	IN-KIND SERVICES**	IN-KIND CASH	TOTAL
<u>Personnel</u>								
Survey	1	LS	\$6,333.00	\$ 6,333.00			6,333.00	\$ 6,333.00
Design	1	LS	\$6,333.00	\$ 6,333.00			6,333.00	\$ 6,333.00
Engineering	1	LS	\$6,333.00	\$ 6,333.00			6,333.00	\$ 6,333.00
Archaeological	1	LS	\$2,600.00	\$ 2,600.00			2,600.00	\$ 2,600.00
Oversight	1		\$25,000.00	\$ 25,000.00			25,000.00	\$ 25,000.00
Labor				\$ -				\$ -
			Sub-Total	\$ 46,599.00	\$ -	\$ -	\$ 46,599.00	\$ 46,599.00
<u>Travel</u>								
Mileage				\$ -				\$ -
Per diem				\$ -				\$ -
			Sub-Total	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Construction Materials***</u>								
Bonding	1	LS	\$6,731.00	\$ 6,731.00			\$ 6,731.00	\$ 6,731.00
Steel Reinforced Concrete	1	LS	\$97,953.00	\$ 97,953.00	80,000.00		17,953.00	\$ 97,953.00
Water Management	1	LS	\$20,000.00	\$ 20,000.00			\$ 20,000.00	\$ 20,000.00
Clearing and Grubbing	1	LS	\$4,480.00	\$ 4,480.00			\$ 4,480.00	\$ 4,480.00
Reclamation and Revegetation	1	LS	\$3,450.00	\$ 3,450.00			3,450.00	\$ 3,450.00
			Sub-Total	\$ 132,614.00	\$ 80,000.00	\$ -	\$ 52,614.00	\$ 132,614.00
<u>Equipment</u>								
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Mobilization</u>								
Mobilization	1	LS	\$ 8,732.00	\$ 8,732.00			8,732.00	\$ 8,732.00
Contingency (10%)	1	LS	\$ 14,135.00	\$ 14,135.00			14,135.00	\$ 14,135.00
				\$ -				\$ -
				\$ -				\$ -

English George Creek fish barrier
BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

			Sub-Total	\$ 22,867.00	\$ -	\$ -	\$ 22,867.00	\$ 22,867.00
TOTALS				\$ 202,080.00	\$ 80,000.00	\$ -	\$ 122,080.00	\$ 202,080.00

*Units = feet, hours, inches, lump sum, etc.

**Can include in-kind materials. Justification for in-kind labor (e.g. hourly rates used for calculations). Describe here or in text.

***The Future Fisheries Review Panel recommends a maximum fencing cost of \$1.50 per foot

MATCHING CONTRIBUTIONS (do not include requested funds)

CONTRIBUTOR	IN-KIND SERVICE	IN-KIND CASH	TOTAL	Verified? (Y/N)
NorthWestern MadTac	\$ -	\$ 122,080.00	\$ 122,080.00	Y/N
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
TOTALS	\$ -	\$ 122,080.00	\$ 122,080.00	